EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	199	("5572395" "5536980" "6153948" "6288881" "4323871" "5019937" "3906422" "4272687" "4417222" "4774647" "5025466" "5188909" "5206563" "5341266" "5432322" "5576612" "5612847" "5624237" "5770836" "5923516" "6031302" "6091315" "6155159" "6229229" "6252379" "6262871" "6647120" "20020146135" "20030096157" "20050062579" "5864473" "6104584" "5430401" "5534768" "4611154" "5274594" "5276648" "5506804" "5604656" "5625273" "5703463" "5781390" "5789964" "5991175" "6046627" "6366062" "6400545" "6438059" "6735065" "20010050406" "20020167065" "20030112571" "20060202746" "20060267721" "20060267722" "20060268645" "5640150" "6331763" "6518731" "6914416" "20020079865" "20030132732" "20050258805" "5541804" "5555153" "4780698" "4879805" "5663861" "5945903" "5793274" "4935715" "5481239" "5590011" "5852379" "5854730" "5917690" "5920251" "6217389" "6217389" "6249412" "3571656" "3638157" "4053857" "4104581" "4278874" "4384185" "4451814" "4499557" "4545926" "4550358" "4599705" "4625190" "4801772" "4803455" "5178389" "5420561" "5471185" "5490215" "5545679" "5581192"). pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 11:20

| S2 | 171 | ("2571027"\|"2928956"\|"2006002338 3"\|"3539871"\|"3588605"\|"3629659" \|"3809959"\|"3819886"\|"3839870"\|" 3868549"\|"4023264"\|"4164772"\|"42 33673"\|"4306270"\|"4389691"\|"4420 784"\|"4423457"\|"4438472"\|"447513 9"\|"4531083"\|"4531084"\|"4550356" \|"4583146"\|"4631621"\|"4636907"\|" 4646455"\|"4647340"\|"4652962"\|"47 21869"\|"4723187"\|"4917531"\|"4920 448"\|"4959746"\|"5164872"\|"523951 1"\|"5339210"\|"5360988"\|"5374792" \|"5430401"\|"5454904"\|"5519658"\|" 5536980"\|"5596535"\|"5642317"\|"57 03463"\|"5724366"\|"5793586"\|"5933 304"\|"5933308"\|"5942714"\|"607809 2"\|"6096580"\|"6141192"\|"6218844" \|"6288881"\|"6313641"\|"6377427"\|" 6411482"\|"6469884"\|"6477021"\|"64 98385"\|"6531410"\|"6532424"\|"6587 027"\|"6621669"\|"6625550"\|"667466 7"\|"6710640"\|"6746947"\|"6781436" \|"6782329"\|"6813129"\|"6870720"\|" 6956772"\|"RE34107").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 12:48 |
| S3 | 1228 | 361/103.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 12:49 |

EAST Search History

| S4 | 199 | ("5572395" "5536980" "6153948" "6288881" "4323871" "5019937" "3906422" "4272687" "4417222" "4774647" "5025466" "5188909" "5206563" "5341266" "5432322" "5576612" "5612847" "5624237" "5770836" "5923516" "6031302" "6091315" "6155159" "6229229" "6252379" "6262871" "6647120" "20020146135" "20030096157" "20050062579" "5864473" "6104584" "5430401" "5534768" "4611154" "5274594" "5276648" "5506804" "5604656" "5625273" "5703463" "5781390" "5789964" "5991175" "6046627" "6366062" "6400545" "6438059" "6735065" "20010050406" "20020167065" "20030112571" "20060202746" "20060267721" "20060267722" "20060268645" "5640150" "6331763" "6518731" "6914416" "20020079865" "20030132732" "20050258805" "5541804" "5555153" "4780698" "4879805" "5663861" "5945903" "5793274" "4935715" "5481239" "5590011" "5852379" "5854730" "5917690" "5920251" "6217389" "6217389" "6249412" "3571656" "3638157" "4053857" "4104581" "4278874" "4384185" "4451814" "4499557" "4545926" "4550358" "4599705" "4625190" "4801772" "4803455" "5178389" "5420561" "5471185" "5490215" "5545679" "5581192"). pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 12:51 |
| S8 | 1 | 11/271065 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/08 13:40 |

EAST Search History

S16	72	(S2 S3 S4) and ((((energy power) near3 (threshold level range)) ("i. sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic$2 switch) and (housing casing box case) and (sens$3 monitor$3 measur$3 detect$3) and (microprocess$3 process$3 microcomput$3 comput$3 memory IC integrat$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control$4 regulat$3 stabiliz$3)) (software near2 (PCB board card)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 16:40
S17	9	(S2 S3 S4) and ((((energy power) near3 (threshold level range)) ("i. sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic$2 switch) and (housing casing box case) and (sens$3 monitor$3 measur$3 detect$3) and (microprocess$3 process$3 microcomput$3 comput$3 memory IC integrat$3 chip timer a/d d/a (analog near3 digital) (voltage adj (control$4 regulat$3 stabiliz$3)) (software near2 (PCB board card))) and ((accumulat$3 add$3 stor$3 storag$3) near2 energy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 15:27
S18	72	S16 S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 16:36

EAST Search History

S19	20344	((((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic$2 switch) and (housing casing box case) and (sens$3 monitor$3 measur$3 detect$3) and (microprocess$3 process$3 microcomput$3 comput$3 memory IC integrat$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control$4 regulat$3 stabiliz$3)) (software near2 (PCB board card)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 15:57
S20	4824	((((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic$2 switch) and (housing casing box case) and (sens$3 monitor$3 measur$3 detect$3) and (microprocess$3 process$3 microcomput$3 comput$3 memory IC integrat$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control$4 regulat$3 stabiliz$3)) (software near2 (PCB board card))) and ((energy power) near5 (exceed$3 above greater) near5 (threshold limit nominal level boundary))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 16:03
S21	3590	((((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic$2 switch) and (housing casing box case) and (sens$3 monitor$3 measur$3 detect$3) and (microprocess$3 process$3 microcomput$3 comput$3 memory IC integrat$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control$4 regulat$3 stabiliz$3)) (software near2 (PCB board card))) and ((energy power) near3 (exceed$3 above greater) near3 (threshold limit nominal level boundary))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 18:44

S22	72	S16 S17 and ((energy power) near3 (exceed$3 above greater) near3 (threshold limit nominal level boundary))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 16:09
S23	72	S16 S17 and ((energy power) adj3 (exceed$3 above greater) adj3 (threshold limit nominal level boundary))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 16:11
S24	1567	(((((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic$2 switch) and (housing casing box case) and (sens$3 monitor$3 measur$3 detect$3) and (microprocess$3 process$3 microcomput$3 comput$3 memory IC integrat$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control$4 regulat$3 stabiliz$3)) (software near2 (PCB board card))) and ((energy power) adj3 (exceed$3 above greater) adj3 (threshold limit nominal level boundary))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 16:11
S25	16	(S16 S17) and ((energy power) adj3 (exceed$3 above greater) adj3 (threshold limit nominal level boundary))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 16:14

S26	921	((((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic$2 switch) and (housing casing box case) and (sens$3 monitor$3 measur$3 detect$3) and (microprocess$3 process$3 microcomput$3 comput$3 memory IC integrat$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control$4 regulat$3 stabiliz$3)) (software near2 (PCB board card))) and ((energy power) adj2 (exceed$3 above greater) adj2 (threshold limit nominal level boundary))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 19:57
S27	205	((((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic$2 switch) and (housing casing box case) and (sens$3 monitor$3 measur$3 detect$3) and (microprocess$3 process$3 microcomput$3 comput$3 memory IC integrat$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control$4 regulat$3 stabiliz$3)) (software near2 (PCB board card))) and ((energy power) adj (exceed$3 above greater) adj (threshold limit nominal level boundary))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 16:13
S29	1	"11/193738"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 18:19

S30	1	(S2 S3 S4) and ((((energy power) near3 (threshold level range)) ("i. sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic$2 switch) and (housing casing box case) and (sens$3 monitor$3 measur$3 detect$3) and (microprocess$3 process$3 microcomput$3 comput$3 memory IC integrat$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control$4 regulat$3 stabiliz$3)) (software near2 (PCB board card))) and 11/193738	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 16:45
S33	1	"11/193738" and any	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 18:28
S34	1	"11/193738" and "42"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 18:29
S36	1	11/193738 and ((((energy power) near3 (threshold level range)) ("i. sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (mos fet mosfet cmos scr thyristor relay contactor solenoid coil electromechanic$2 switch) and (housing casing box case) and (sens$3 monitor$3 measur$3 detect$3) and (microprocess$3 process$3 microcomput$3 comput$3 memory IC integrat$3 chip timer a/d d/a (analog near2 digital) (voltage adj (control$4 regulat$3 stabiliz$3)) (software near2 (PCB board card)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 18:48

S39	40	((((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and add$3 same subtract$3 same (greater lesser smaller above below) same (threshold limit level range nominal) same accumulat$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 20:08
S40	550	((((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (greater lesser smaller above below) same (threshold limit level range nominal) same (accumulat$3) same (sum$4 add$3 integrat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 20:20
S41	510	S40 not S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 20:09
S42	9	((((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (greater lesser smaller above below) near5 (threshold limit level range nominal) near5 (accumulat$3) near5 (sum$4 add$3 integrat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 20:21
S43	27	((((energy power) near3 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (greater lesser smaller above below) near5 (threshold limit level range nominal) near5 (accumulat$3 stor$3 retain$3 hold$3 storag$3) near5 (sum$4 add$3 integrat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 20:33
S44	51	((((energy power) near5 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (greater lesser smaller above below) near5 (threshold limit level range nominal) near5 (accumulat$3 stor$3 retain$3 hold$3 storag$3) near5 (sum$4 add$3 integrat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 20:39

S45	24	S44 not S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 20:34
S46	320	(((((energy power) near5 (threshold level range)) ("i.sup.2") (current near2 square))) same (protect$3 avoid$3 prevent$3) and (threshold limit level range nominal) near5 (accumulat$3 stor$3 retain$3 hold$3 storag$3) near5 (sum$4 add$3 integrat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 20:51
S47	285	S46 not S44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 20:40
S48	9280	(((energy power) near5 (threshold level range limit nominal)) ("i.sup. 2") (current near2 square)) same (protect$3 avoid$3 prevent$3) and (threshold level range limit nominal) near2 (above higher greater) same (threshold level range limit nominal) near2 (below lesser under smaller lower)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 20:56
S49	4032	(((energy power) near5 (threshold level range limit nominal)) ("i.sup. 2") (current near2 square)) same (protect$3 avoid$3 prevent$3) and (threshold level range limit nominal) near (above higher greater) same (threshold level range limit nominal) near (below lesser under smaller lower)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 20:58
S51	413	(((energy power) near5 (threshold level range limit nominal)) ("i.sup. 2") (current near2 square)) same (protect$3 avoid$3 prevent$3) and (threshold level range limit nominal) near (above higher greater) same (threshold level range limit nominal) near (below lesser under smaller lower) same (accumulat$3 sum$4 add$3 subtrat$3 deduct$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 21:00

EAST Search History

S52	402	S51 not S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 21:01
S53	1	11/193738 and ("58" "60" "62" "68")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 08:51
S56	1	11/193738 and (load)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 22:21
S57	1	11/193738 and (threshold nominal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 08:27
S59	1	protect$3 adj (circuit device apparatus system method) same (hous$3 cas$3 packag$3 chip) same (input output external exterior terminal pin leg) near5 thin$4 near5 fuse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 08:39
S60	4	protect$3 adj (circuit device apparatus system method) and (hous$3 cas$3 packag$3 chip) same (input output external exterior terminal pin leg) near5 thin$4 near5 fuse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 08:41
S61	1	11/193738 and fuse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 09:22

EAST Search History

S62	1	11/193738 and (time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 09:27
S63	1	11/193738 and (keep$3 maintain$3 remain$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 09:28
S66	1	11/193738 and (switch on)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 09:30
S67	269	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) chuck$3 E-chuck$3 E$chuck$3) and vacuum near3 (gas air) near3 (prior before first (in adj advance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 14:38
S68	61	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) chuck$3 E-chuck$3 E$chuck$3) and vacuum near3 (gas air) near3 (prior before)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 15:09
S69	19	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) chuck$3 E-chuck$3 E$chuck$3) and vacuum adj3 (gas air) adj3 (prior before)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 14:58
S70	0	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) chuck$3 E-chuck$3 E$chuck$3) adj4 vacuum adj4 (gas air) adj3 (prior before)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 15:00

S72	2	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) chuck$3 E-chuck$3 E$chuck$3) same vacuum$3 adj4 (gas air) adj3 (prior before)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 15:19
S73	10	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) chuck$3 E-chuck$3 E$chuck$3) same vacuum$3 adj10 (gas air) adj10 (prior before)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 16:05
S74	8	S73 not S72	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 15:20
S77	72	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) chuck$3 E-chuck$3 E$chuck$3) same vacuum$3 adj10 (gas air) adj10 (above-mentioned aforementioned ahead antecedent anterior before foregoing former forward past pre-existent pre-existing precedent preceding previous beforehand earlier early first foremost forward (in adj front) leading previously prior priori)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 16:46
S78	20	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) chuck$3 E-chuck$3 E$chuck$3) same vacuum$3 adj10 (gas air) adj10 (above-mentioned aforementioned ahead antecedent anterior before foregoing former forward past pre-existent pre-existing precedent preceding previous beforehand earlier early first foremost forward (in adj front) leading previously prior priori) near (process$3 chuck$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 11:09

EAST Search History

S79	20	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) chuck$3 E-chuck$3 E$chuck$3) same vacuum$3 adj10 (gas air) adj10 (above-mentioned aforementioned ahead antecedent anterior before foregoing former forward past pre-existent pre-existing precedent preceding previous beforehand earlier early first foremost forward (in adj front) leading previously prior priori) near (process$3 chuck$3) and (gas he helium air argon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 16:57
S80	1266	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) chuck$3 E-chuck$3 E$chuck$3) same (gas air he helium argon) near5 (support$3 hold$3 help$3 position$3 plac$3) near5 (wafer die substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 17:00
S81	549	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) chuck$3 E-chuck$3 E$chuck$3) same (gas air he helium argon) near3 (support$3 hold$3 help$3 position$3 plac$3) near3 (wafer die substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 17:00
S82	12	("20040083975"|"5542559"|"5665166"|"5413360"|"5522131"|"5812361"|"6500686"|"6946403"|"6084763"|"6370006"|"6414834"|"6557248"|"6581275"|"7033443").PN. and (gas he) same vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/10 19:42
S83	14	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) E-chuck$3 E$chuck$3) near5 vacuum$3 near5 step	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 11:11
S84	3	10/253098	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 11:41

S85	3	10/253098 and (vacuum gas he helium chuck$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 11:42
S86	9228965	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) E-chuck$3 E$chuck$3) same vacuum adj3 (prior before ahead$3) adj$3 process$3	US-PGPUB; USPAT; USOCR; .FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 15:17
S89	1	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) E-chuck$3 E$chuck$3) same (vacuum adj5 (prior before ahead$3) adj5 process$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 15:30
S90	21	(esc ((electrostatic electro$static (electro adj static)) adj (chuck$3 clamp$3 hold$3)) E-chuck$3 E$chuck$3) and (vacuum adj5 (prior before ahead$3) adj5 process$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 15:31
S93	5	("5542559" "69747009" "7033443" "5665166").pn. and (manifold conduit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 17:26
S94·	6	("5542559" "69747009" "7033443" "5665166").pn. and (manifold conduit channels backside top upper above)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 17:41
S95	9	("5542559" "69747009" "7033443" "5665166").pn. and (manifold conduit channels backside top upper above chamber)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 17:42

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S96	3	("5542559" "69747009" "7033443" "5665166").pn. and (manifold conduit channels backside top upper above chamber) and backside same chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 17:42
S97	2	"6974709".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 18:47